

Name: _____ Date: _____

Materials: Metals and Non-Metals

Q1. Is rust acidic, basic or neutral in nature?

Ans. _____

Q2. What type of oxides is formed by non-metals?

Ans. _____

Q3. Explain why aluminium foils are used to wrap food items.

Ans. _____

Q4. What are the uses of metal?

Ans. _____

Q5. How metals and non-metals react with water?

Ans. _____

Q6. What do you mean by displacement reaction?

Ans. _____

Q7. What are the physical properties of metals?

Ans. _____

Materials: Metals and Non-Metals

Q1. Is rust acidic, basic or neutral in nature?

Ans. Rust i.e. Iron oxide (Fe_2O_3) is basic in nature. In general, metallic oxides are basic in nature.

Q2. What type of oxides is formed by non-metals?

Ans. Non-metals react with oxygen to produce non-metallic oxides which are acidic in nature.

Q3. Explain why aluminium foils are used to wrap food items.

Ans. Aluminium foils are used to wrap food items because aluminium metal is malleable. Thus, it can be beaten into thin sheets.

Q4. What are the uses of metal?

Ans. Metals are used in making machinery, automobiles, aeroplanes, trains, satellites, industrial gadgets, cooking utensils, water boilers, etc.

Q5. How metals and non-metals react with water?

Ans. Some metals react with water to produce metal hydroxides and hydrogen gas. Generally, nonmetals do not react with water.

Q6. What do you mean by displacement reaction?

Ans. In displacement reaction a more reactive metal can replace a less reactive metal, but a less reactive one cannot replace a more reactive metal.

Q7. What are the physical properties of metals?

Ans. Metals are hard, lustrous, malleable, ductile, sonorous and good conductors of heat and electricity.